(54) Title: ELECTRONICS ASSEMBLY ENGINEERING SYSTEM WITH NAMING AND MANIPULATION FUNCTIONS FOR USER DEFINED DATA STRUCTURES USING TRANSACTION SYSTEMS
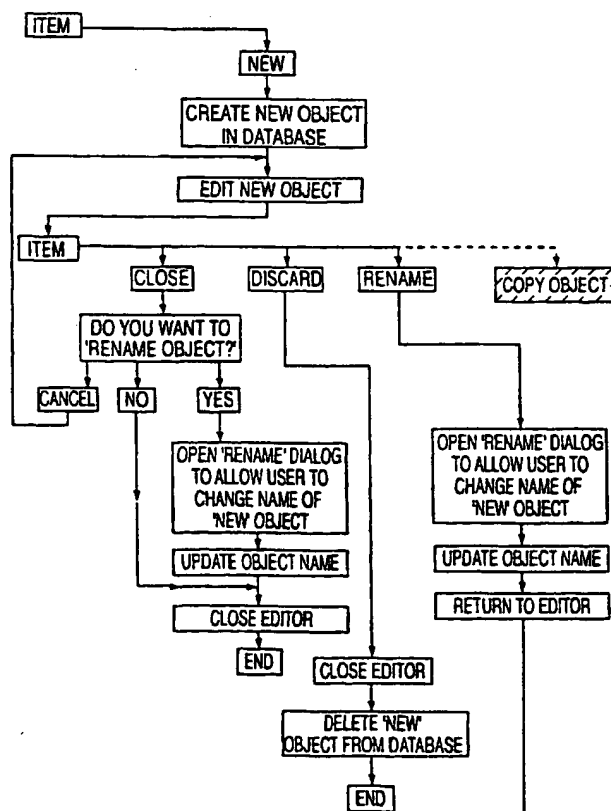
(57) Abstract: The present invention provides novel naming and manipulation functions for user defined data structures in a data system using transaction service. In particular, in an electronics assembly engineering system having a computer subsystem in which user-defined data structures accessible to editor software have referential integrity and in which user modifications to the data structures during editing are made directly to the data structures rather than indirectly by way of a temporary file, the invention provides a method for permitting naming and manipulation of the data structures. The method includes the steps of (i) providing close, discard and rename functions for the data structures in the case where a newly-created data structure is being edited; (ii) providing close and copy functions for the data structures if an existing data structure is being edited; and (iii) excluding a save-as function for the data structures.

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For two-letter codes and other abbreviations, refer to the "Guid-ance Notes on Codes and Abbreviations" appearing at the begin-ning of each regular issue of the PCT Gazette.